

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: March 19, 2009  <i>(use as many sheets as necessary)</i>		<b>Application Number</b>	10/589,311
		<b>Filing Date</b>	4/20/2007
		<b>First Named Inventor</b>	Edward Henry LESTER
		<b>Art Unit</b>	1793
		<b>Examiner Name</b>	Serena L. Hanor
<b>Sheet</b>	1	of	2
		<b>Attorney Docket Number</b>	058937-0143

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Application Document Serial Number-Kind Code <sup>2</sup> (if known)	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
		<del>ADSCHIRI et al., "Hydrothermal Synthesis of Metal Oxide Fine Particles at Supercritical Conditions", Ind. Eng. Chem. Res., 2000, pp. 4904-4907, vol. 39, American Chemical Society, USA</del>	
		<b>NOT FILED</b>	
/S.H./		ADSCHIRI et al., "Hydrothermal Synthesis of Metal Oxide Nanoparticles at Supercritical Conditions", Journal of Nanoparticle Research, 2001, pp. 227-235, vol. 3, Kluwer Academic Publishers, The Netherlands	
/S.H./		ADSCHIRI et al., "Rapid and Continuous Hydrothermal Crystallization of Metal Oxide Particles in Supercritical Water", J. Am Ceram. Soc., 1992, pp. 1019-1022, vol. 75, Issue 4, American Ceramic Society, USA	
/S.H./		CABANAS et al., "Continuous Hydrothermal Synthesis of Inorganic Materials in a Near-Critical Water Flow reactor; The One-Step Synthesis of Nano-Particulate Ce <sub>1-x</sub> Zr <sub>x</sub> O <sub>2</sub> (x=01-) Solid Solutions", J. Mater. Chem., 2001, pp. 561-568, vol. 11, The Royal Society of Chemistry	

<b>Examiner Signature</b>	/Serena Hanor/	<b>Date Considered</b>	04/22/2009
---------------------------	----------------	------------------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: March 19, 2009  <i>(use as many sheets as necessary)</i>		<b>Application Number</b>	10/589,311
		<b>Filing Date</b>	4/20/2007
		<b>First Named Inventor</b>	Edward Henry LESTER
		<b>Art Unit</b>	1793
		<b>Examiner Name</b>	Serena L. Hanor
<b>Sheet</b>	2	<b>of</b>	2
		<b>Attorney Docket Number</b>	058937-0143

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
/S.H./		COTE et al., "Continuous Hydrothermal Synthesis and Crystallization of Magnetic Oxide Nanoparticles", J. Mater. Res., Sept. 2002, pp. 2410-2416, vol. 17, no. 9, Materials Research Society	
↓		GALKIN et al., "Continuous Reactions in Supercritical Water: A New Route to La <sub>2</sub> CuO <sub>4</sub> with a High Surface Area and Enhanced Oxygen Mobility", Angew. Chem. Int. Ed., 2000, pp. 2738-2740, vol. 39, no. 15, Wiley-VCH Verlag GmbH, Germany	
		HAO et al., "Continuous Hydrothermal Crystallization of α-Fe <sub>2</sub> O <sub>3</sub> and Co <sub>3</sub> O <sub>4</sub> Nanoparticles, J. Mater. Res., Feb. 2003, pp. 415-422, vol. 18, no. 2, Materials Research Society	
		VISWANATHAN et al., "Formation of Zinc Oxide Nanoparticles in Supercritical Water", J. Supercritical Fluids, 2003, pp. 187-193, vol. 27, Elsevier	
		VISWANATHAN et al., "Formation of Zinc Oxide – Titanium Dioxide Composite Nanoparticles in Supercritical Water", Ind. Eng. Chem. Res., 2003, pp. 5535-5540, vol. 42, American Chemical Society	

<b>Examiner Signature</b>	/Serena Hanor/	<b>Date Considered</b>	04/22/2009
---------------------------	----------------	------------------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.